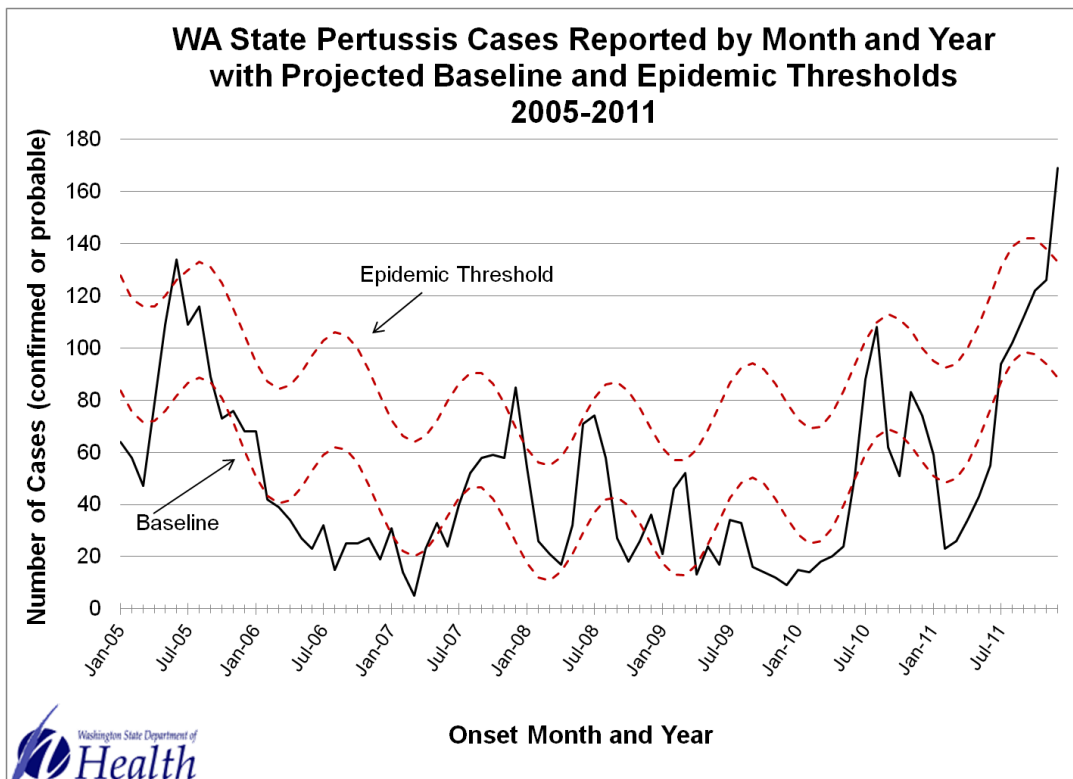
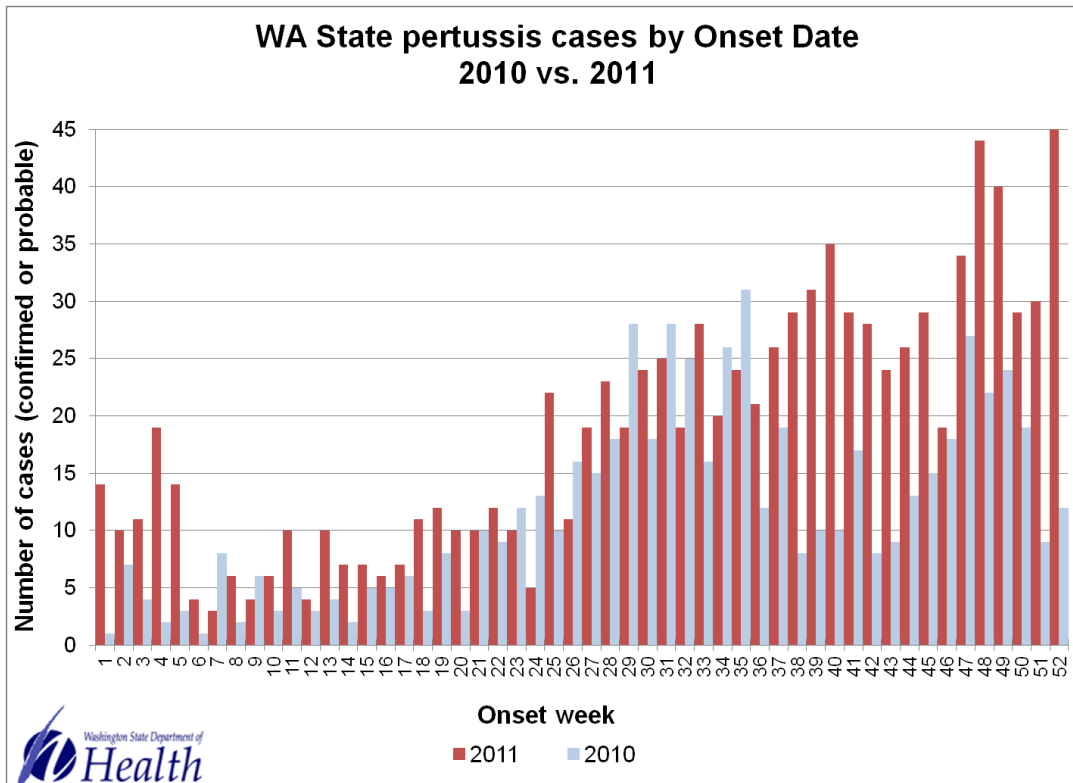


Preliminary 2011 Pertussis Summary for Washington State

There were 965 cases reported statewide in 2011 compared to 608* reported cases in 2010. Dates for the 2010/2011 comparison were based on onset date. The final date for reporting 2011 cases was 2/28/2012.

**Note: One case was received after the 2010 reporting deadline and is not included in the 2010 Annual Report.*



All cases that have been made visible to DOH CDES and that had sufficient information for a DOH case classification to have been assigned are included in the following 2011 summary:

- Eight counties reported no pertussis activity in 2011.
- Among the thirty-one counties with pertussis activity in 2011, the number of pertussis cases reported in a given county ranged from 1 to 269, and the rate of disease in a given county ranged from 2.3 to 230.3 per 100,000 persons per year (see Table 1).
 - The median and mean county rates in counties reporting pertussis activity were 6.7 and 20.7 per 100,000 persons per year, respectively.
- The overall incidence rate was 14.3 pertussis cases per 100,000 Washington residents per year. The rate of disease in infants under one year of age, 135.5 per 100,000, was higher than rates in all other age groups (see Table 2). One hundred and twenty infants under one year of age were reported as having whooping cough. Thirty-eight of them were hospitalized, two of whom died. Of those hospitalized, thirty (79%) were very young (three months of age or younger).

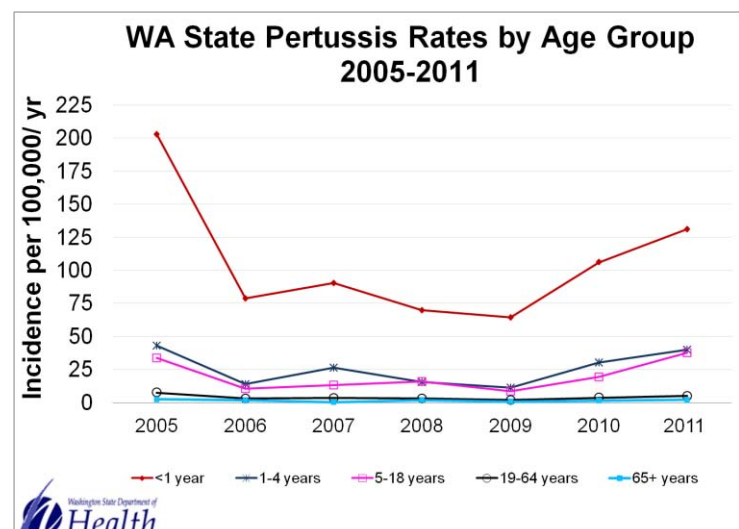
Table 1. WA State pertussis cases by county, 2011

County	2010 OFM Population	Number of Cases	Rate per 100,000 persons per year
Adams	18,300	2	10.9
Benton	172,900	4	2.3
Chelan	73,300	2	2.7
Clallam	70,100	4	5.7
Clark	435,600	94	21.6
Cowlitz	100,000	71	71.0
Franklin	75,500	5	6.6
Grant	87,700	30	34.2
Grays Harbor	71,600	3	4.2
Island	81,100	30	37.0
Jefferson	29,300	2	6.8
King	1,933,400	123	6.4
Kitsap	248,300	16	6.4
Kittitas	40,500	9	22.2
Klickitat	20,500	2	9.8
Lewis	75,600	6	7.9
Lincoln	10,500	1	9.5
Okanogan	40,900	2	4.9
Pacific	22,100	1	4.5
Pierce	814,600	129	15.8
San Juan	16,500	38	230.3
Skagit	119,300	7	5.9
Skamania	10,900	2	18.3
Snohomish	711,100	269	37.8
Spokane	470,300	18	3.8
Stevens	44,300	1	2.3
Thurston	252,400	10	4.0
Walla Walla	59,600	2	3.4
Whatcom	195,500	68	34.8
Whitman	43,600	2	4.6
Yakima	239,100	12	5.0

Note. Counties with no reported cases classified as confirmed or probable, 2011: Asotin, Columbia, Douglas, Garfield, Lincoln, Pacific, Skamania, and Wahkiakum.

Table 2. WA State pertussis cases by age group, 2011

Age Group (years)	2010 OFM Population	Number of Cases	Rate per 100,000 persons per year	% cases by age group
<1	88,544	120	135.5	12.4%
1-4	355,275	145	40.8	15.0%
5-9	432,656	155	35.8	16.1%
10-13	346,396	178	51.4	18.4%
14-18	454,703	133	29.2	13.8%
19-24	577,706	28	4.8	2.9%
25-44	1,830,703	120	6.6	12.4%
45-64	1,823,910	69	3.8	7.2%
65+	823,357	17	2.1	1.8%
All ages	6,733,250	965	14.3	

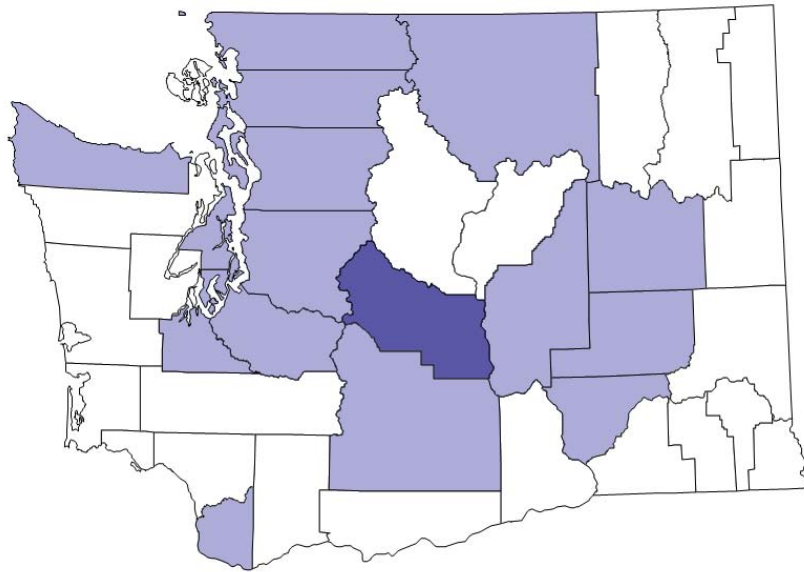


Pertussis Incidence by County and Quarter of Onset, 2011

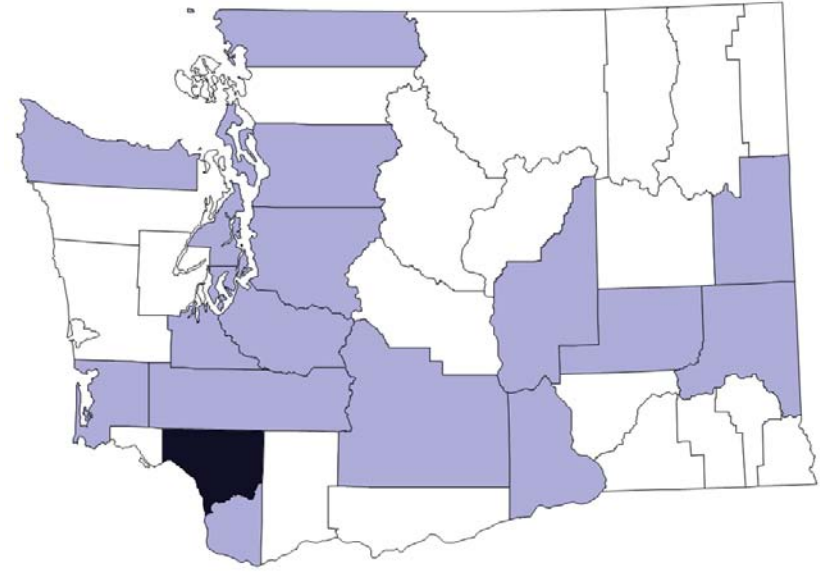
Incidence per 100,000 population per year

0.0	0.1–9.9
10.0–19.9	≥ 20.0

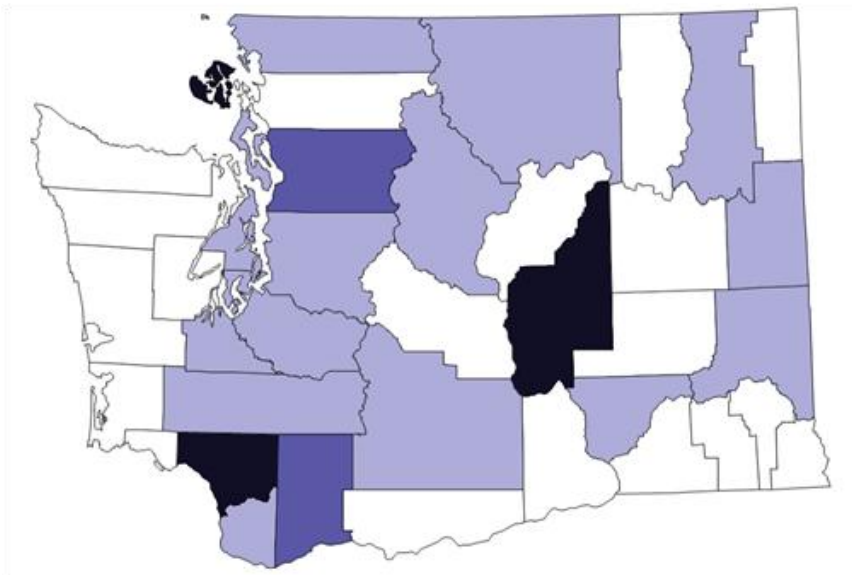
Quarter 1: January - March



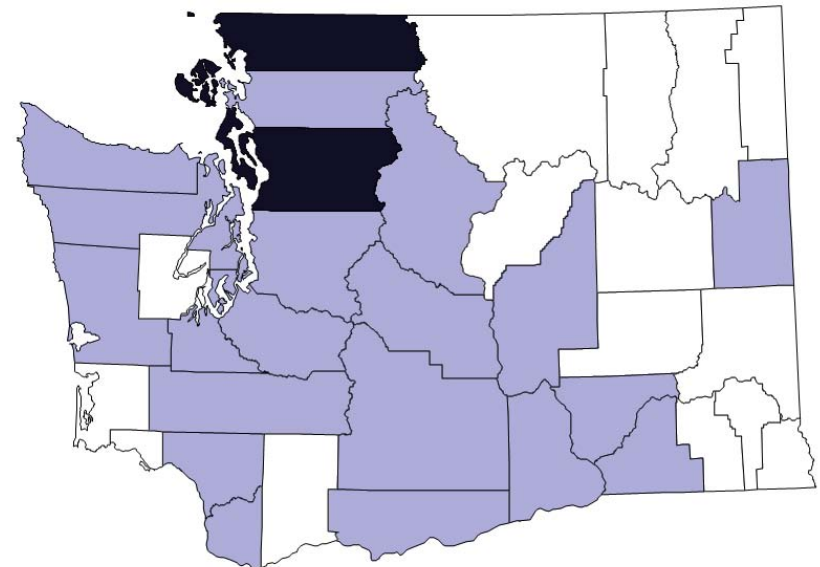
Quarter 2: April - June



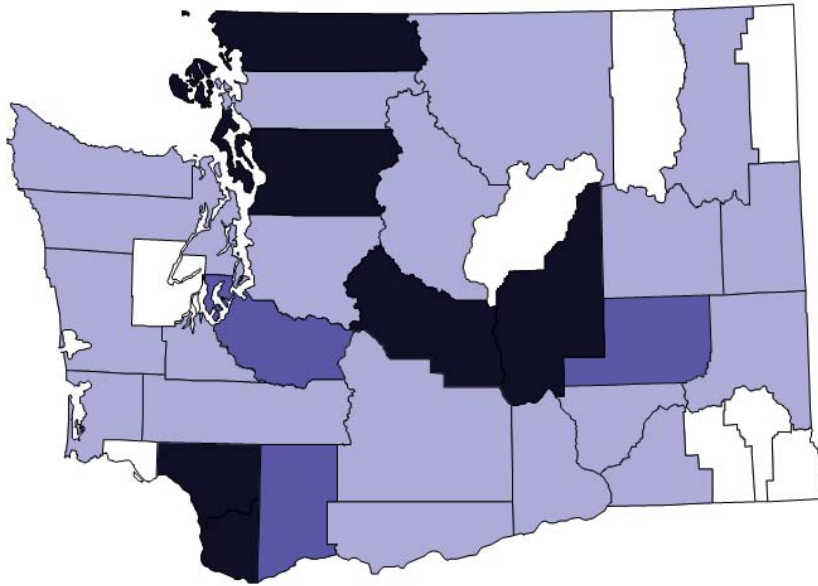
Quarter 3: July – September



Quarter 4: October – December



Total Pertussis Incidence for 2011 by County



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